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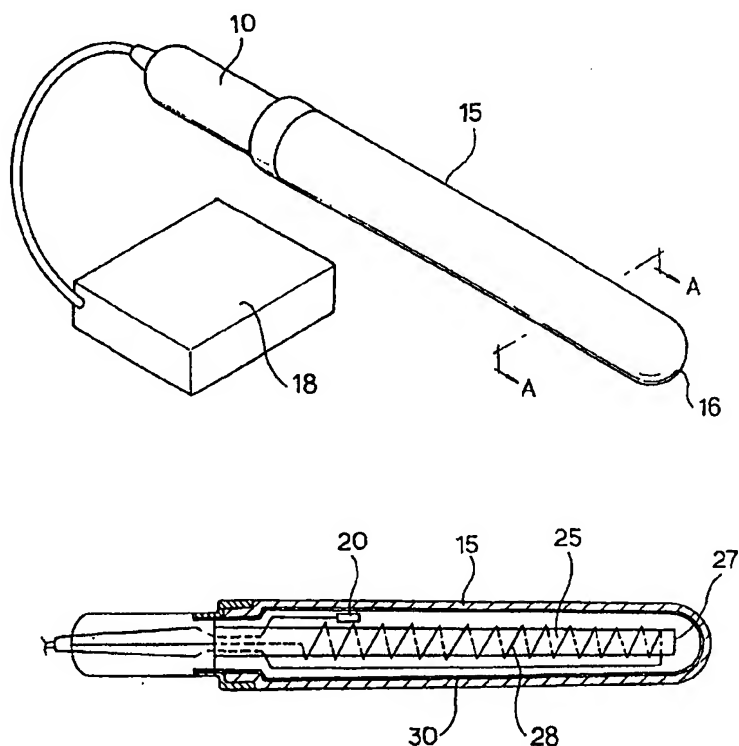
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: APPARATUS FOR PROSTATE TREATMENT

## (57) Abstract

The disclosure is an apparatus for a prostate treatment having an inserting stick of the size like a finger, which simultaneously serves as a grip and is covered by a transparent cover cap of synthetic resins material closed in a form of a hemisphere at the front part thereof to be fixed to the body, wherein the inside of the cover cap is covered by transparent far infrared ray radiation covering layer of a far infrared radiation material.



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## APPARATUS FOR PROSTATE TREATMENT

5    Technical Field

          The present invention relates to an apparatus for treating a prostatitis and a hypertherophy of a prostate. And, particularly in the apparatus according to the present invention, a transparent inserting stick of a size like a  
10   finger is inserted so as to be adjacent to the prostate through an anus, and then the far infrared ray generated therein and heat of very long frequency alternation magnetic field are transmitted to the prostate to maintain a temperature of 45°C, that is the temperature for most  
15   inactivating cancerous cell, thereby controlling a multipulation of bacteria and promoting the circulation of blood.

Background Art

20       Generally, the prostate is deeply positioned in a body and accordingly, it is difficult to treat the prostatitis

and hypertherophy of the prostate and thereby, the prostatitis are easily cured by performing a heat remedy, together with performing an operation or medicine treatment.

A conventional anus inserting stick of an aluminum provided only the heat by an electric heat ray with aluminum and the heat by the very long frequency alternation magnetic field, and accordingly, in case of using this opaque aluminum, other treatment method besides the heat remedy and the very long frequency remedy could not be accomplished.

In the present invention, since the anus inserting stick is covered by a far infrared ray radiation covering layer so that the far infrared ray is appeared to an inside of the transparent synthetic resins member, the far infrared ray may be deeply transmitted into a skin and accordingly, a treatment effect can be promoted.

#### Disclosure of Invention

Accordingly, an object of the present invention is to provide an apparatus for a prostate treatment having an inserting stick of the size like a finger, which

simultaneously serves as a gripe and is covered by a transparent cover cap of synthetic resins material closed in a form of a semisphere at the front part thereof to be fixed to the body, wherein the inside of the cover cap is covered  
5 by transparent far infrared ray radiation covering layer of a far infrared radiation material.

To achieve these and other advantages and in accordance with the purpose of the present invention, as embodied and broadly described, a surface of the transparent cover cap is  
10 formed in a shape of a cylinder or a superficial surface and accordingly, is easily inserted and escaped to/from the anus. Thus, the far infrared ray radiation layer is continuously formed on an inside thereof.

15 **Brief Description of Drawings**

The present invention will become more fully understood from the detailed description given hereinbelow and the accompanying drawings which are given by way of illustration only, and thus are not limitative of the present invention,  
20 and wherein:

Fig. 1 is a perspective view of an apparatus in

accordance with the present invention;

Fig. 2 is a sectional view of Fig. 1; and

Fig. 3 is a sectional view taken along A-A line of Fig.

1.

5

#### Best Mode for carrying Out the Invention

In Fig 1, an apparatus in accordance with the present invention is largely formed of a body 10 and a controller 18, and the body 10 simultaneously serving as a gripe is covered by a transparent cover cap 15 of a synthetic resins material to be fixed.

In Fig. 2, the inside of the transparent cover cap 15 is covered by the far infrared ray radiation covering layer 30 of the far infrared radiation material. For the remedy using the heat transmitted near the prostate through the anus, the electromagnetic assembly body 25 formed by covering the circumference of the silicon core 27 with the coil is built in the transparent cover cap 15 combined to the body 10, that is, the inserting stick to be connected to an external controller 18. A temperature sensor 20 is built near the electromagnetic assembly body 25 and thereby, the

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temperature of 43°C-45°C is maintained by the external controller 18. And then, the temperature 45°C for most inactivating the cancerous cell is maintained while a very low frequency is generated, and the far infrared ray is at the same time generated in the far infrared ray radiation covering layer covering the transparent cover cap by then generated heat, thereby being deeply transmitted to the skin.

In Fig. 3, the inside of the transparent cover cap 15 is covered with the far infrared ray radiation material 30 to radiate the far infrared ray along with the heat generated from the electromagnetic assembly body 25, thereby promoting the circulation of blood.

Accordingly, the apparatus in accordance with the present invention may be inserted near the prostate in a shape of to be inserted into the anus, thereby providing the far infrared ray to the prostate, simultaneously with performing the heat remedy and very low frequency remedy, for the treatment of the prostatitis frequently generated in men. Thereby, the inventive apparatus has advantages capable of promoting treatment effect and being simply used without

a use of an operation or complex physical remedy.

Although the preferred embodiments of the present invention have been disclosed for illustrative purposes, those skilled in the art will appreciate that various  
5 modifications, additions and substitutions are possible, without departing from the scope and spirit of the invention as recited in the accompanying claims.



WHAT IS CLAIMED IS:

1. An apparatus for a prostate treatment having an inserting stick of the size like a finger, which simultaneously serves as a gripe and is covered by a transparent cover cap of synthetic resins material closed in a form of a semisphere at the front part thereof to be fixed to the body, wherein the inside of the cover cap is covered by transparent far infrared ray radiation covering layer of a far infrared radiation material.



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FIG. 2

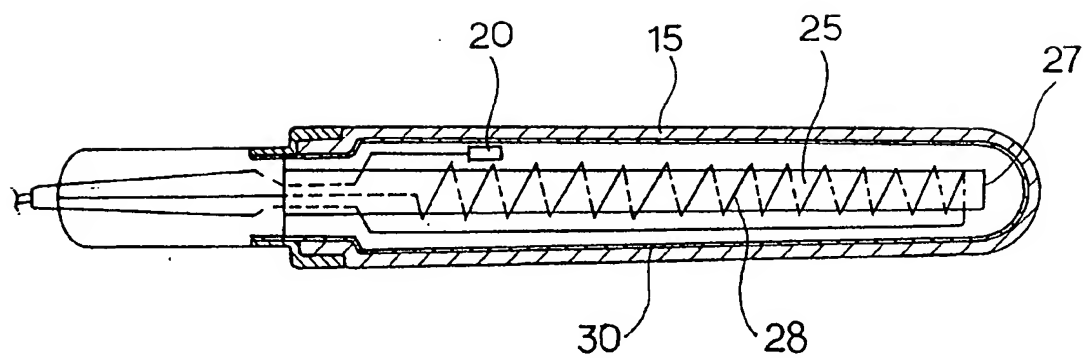
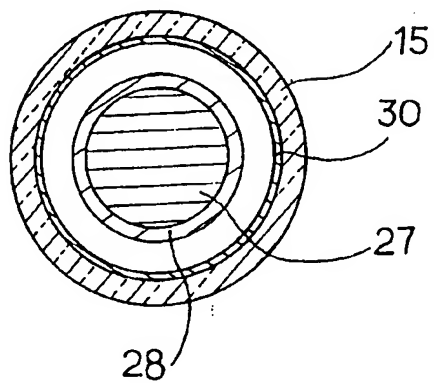


FIG. 3



# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 99/00085

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: A 61 N 5/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: A 61 N, A 61 H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, CLTXTE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4983851 A (MASUDA) 08 January 1991 (08.01.91), abstract; fig. 1; column 1, line 55-68; column 3, line 12-20, 42-47; column 4, line 50-54; claims 1,2,11,13.	1
Y	US 5800478 A (CHEN) 01 September 1998 (01.09.98), abstract; fig. 1.	1
A	US 4804240 A (MORI) 14 February 1989 (14.02.89), abstract; fig. 4.  ----	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

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Date of the actual completion of the international search

14 February 2000 (14.02.00)

Date of mailing of the international search report

01 March 2000 (01.03.00)

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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